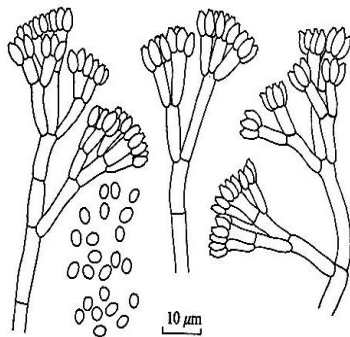
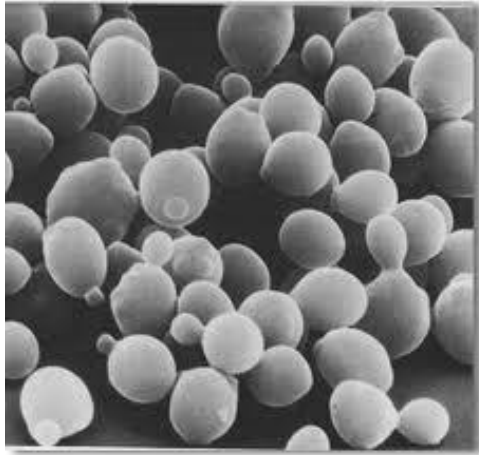


Name:

Date:

Answer the following questions:

1. Observe the following figures.



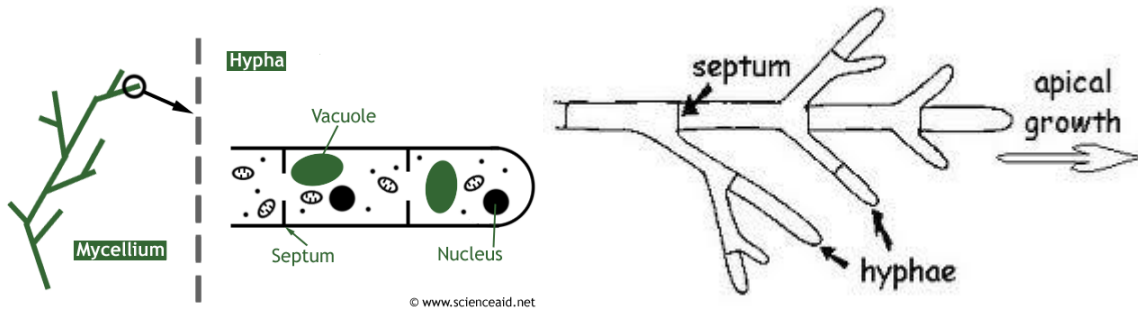
On what basis will you classify these organisms in kingdom fungi?

- a.
- b.
- c.
- d.
- e.

2. Mention one example of fungi.

- a. In water.....
- b. In air.....
- c. In soil.....
- d. On/In animals.....
- e. On/In Plants.....

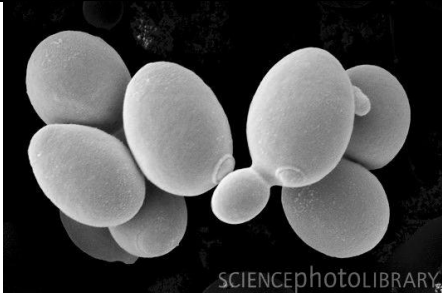

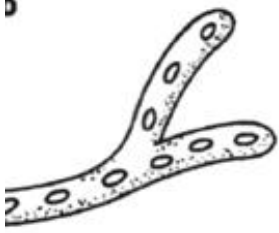
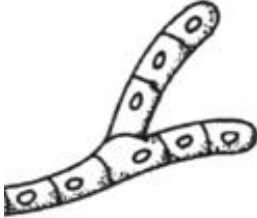
3. Observe the following figures.



Define the following.

- a) Hyphae.....
.....
- b) Mycelium.....
.....
- c) Coenocytic mycelium
.....
.....

4. Identify the following forms of fungi.

No. of cells	
	
Based on partition	
	

5. Identify the types of septa and mention their occurrence also.

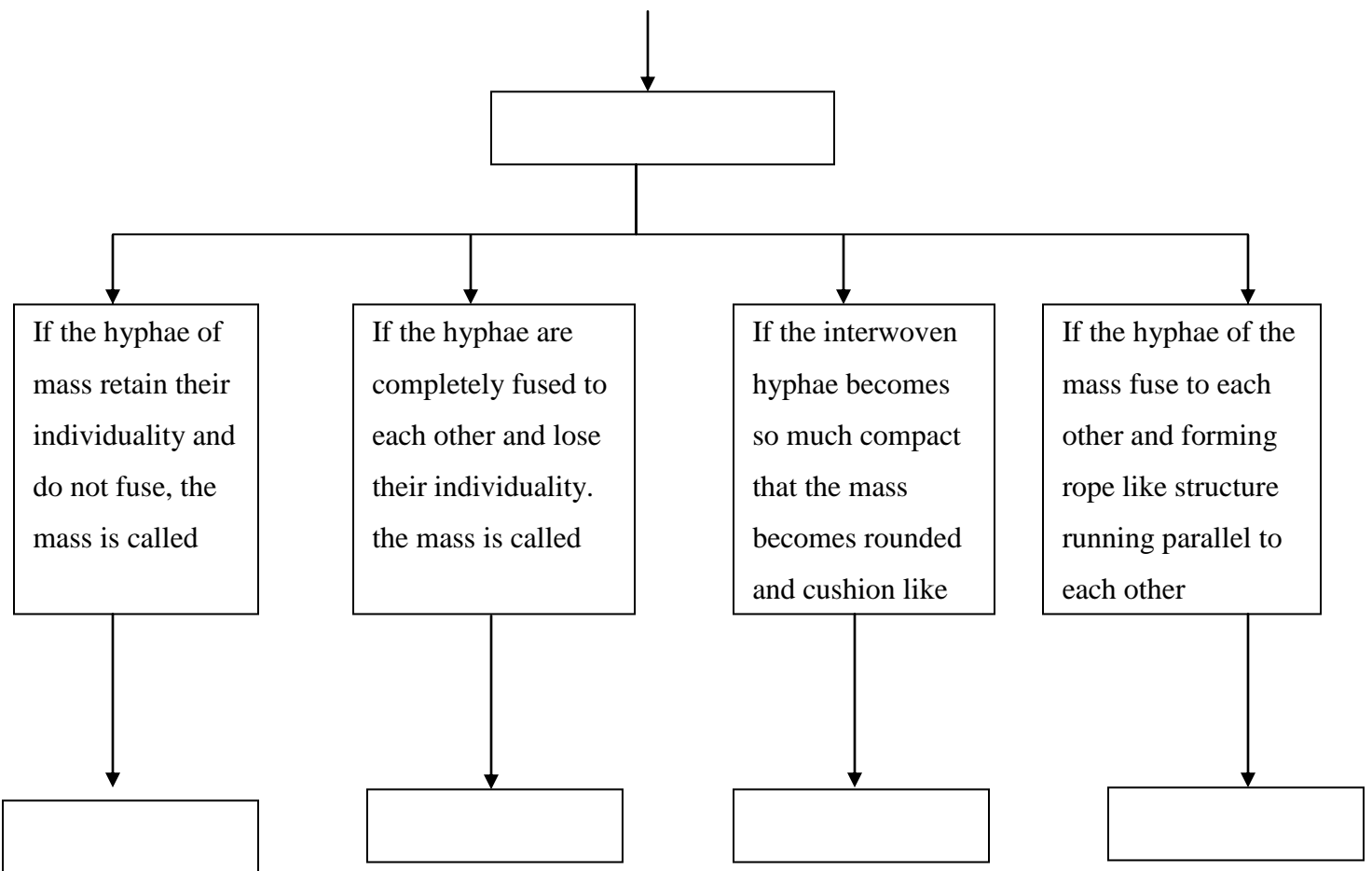


C.....

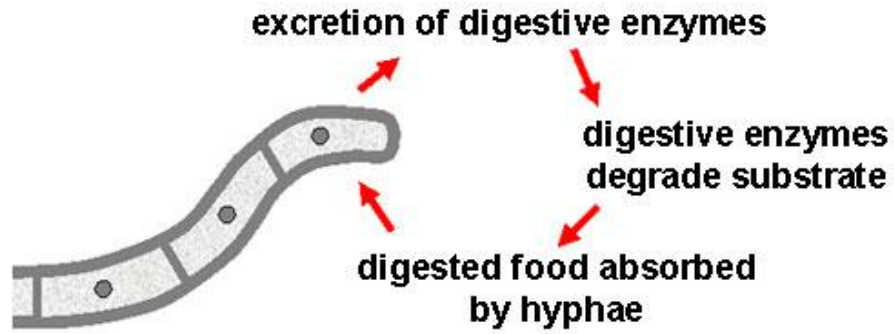
D.....

6. Complete the following.

A mass of compactly interwoven hyphae



7. Explain in brief about the mode of nutrition in fungi.



a) Saprophytic

.....

.....

.....

b) Obligate parasitic

.....

.....

.....

c) Facultative parasite

.....

.....

.....

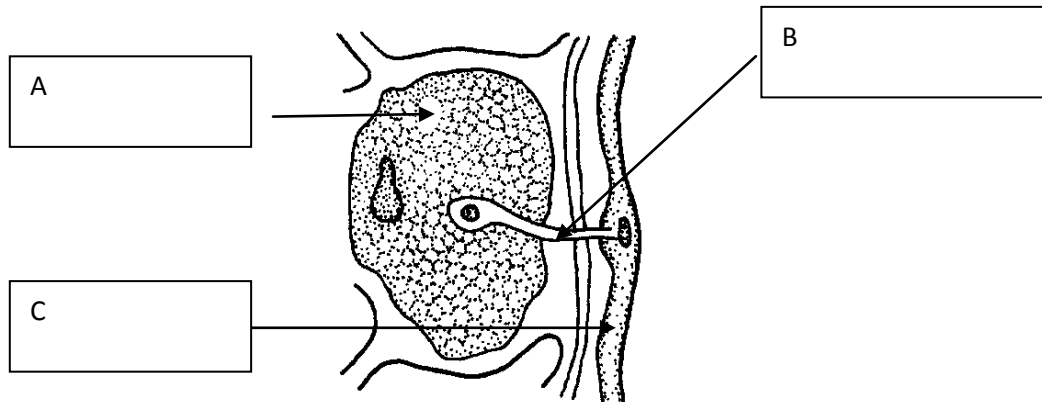
d) Symbiotic

.....

.....

.....

8. Identify A, B and C. What is the role of part B?




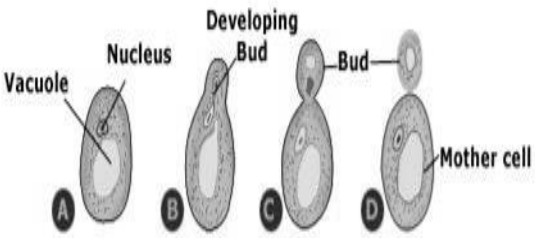
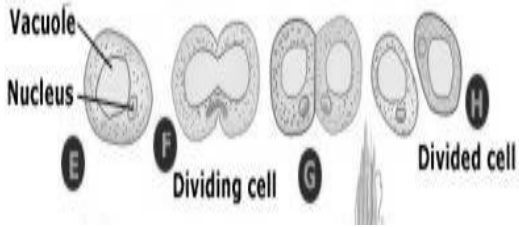
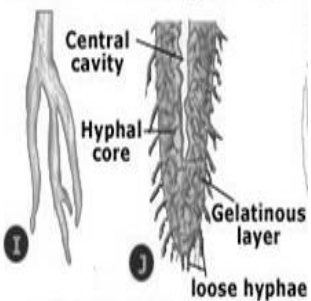
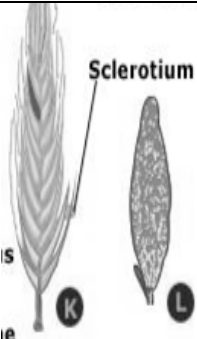
The figure shows.....

9. Like all organisms fungi also complete the life cycle in two phases. Mention the name of the phases and explain them in brief.


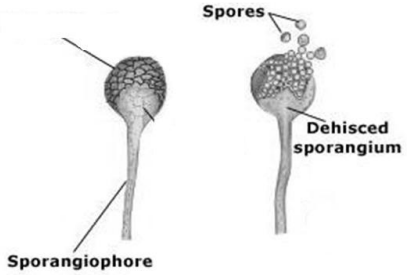
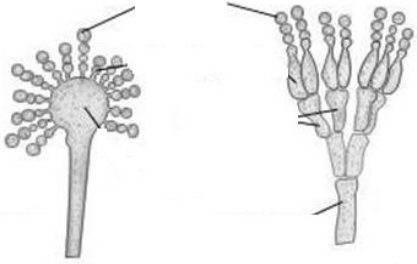
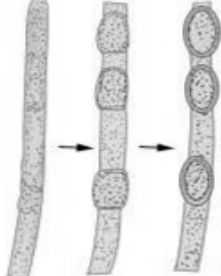
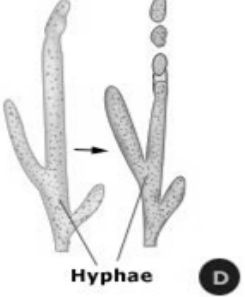
- a)
- b)

10. Explain the mode of reproduction in following terms.

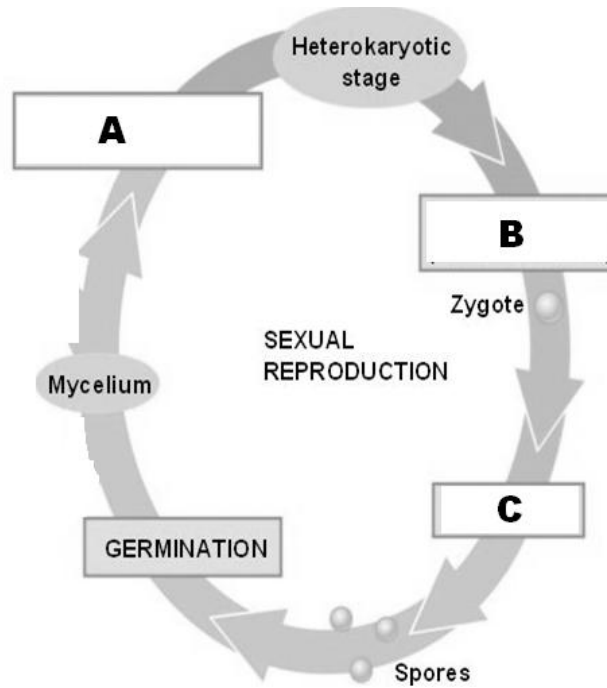
A) Vegetative mode of reproduction

Types	Identify and explain in brief
	
	
	
	
	

B) Asexual reproduction

Types	Identify and explain in brief.
	
 <p>Spores</p> <p>Dehiscent sporangium</p> <p>Sporangiophore</p>	
	
	
 <p>Hyphae</p> <p>D</p>	

C) Given figure shows outline sexual reproduction in fungi.



a) What do A, B and C represent.

A).....

B).....

C).....

b) Define A and B

A).....

B).....

c) What do you mean by heterokaryotic stage?

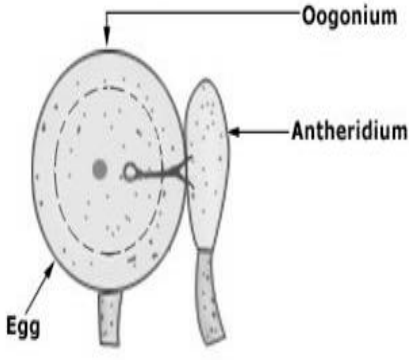
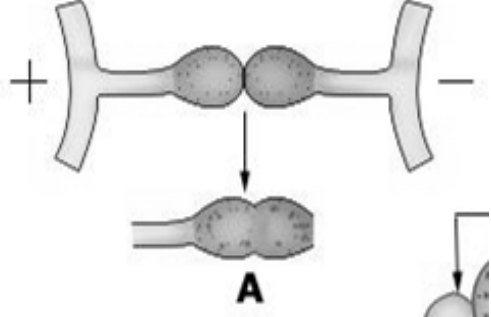
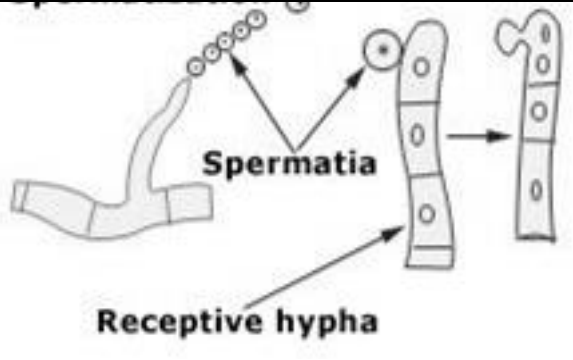
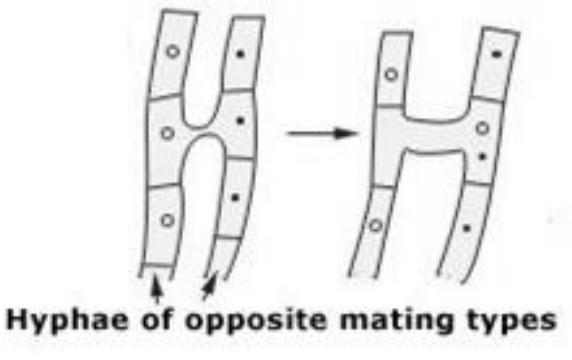
.....

d) Give any two examples of fungal classes which show dikaryon stage in their life cycle.

i).....

ii).....

11. Identify and explain the following methods of gamete fusion.

Types	Identify and explain in brief.
 <p>Oogonium</p> <p>Antheridium</p> <p>Egg</p>	
 <p>A</p>	
 <p>Spermatia</p> <p>Receptive hypha</p>	
 <p>Hyphae of opposite mating types</p>	

12. What do you mean by the term 'Heterothallism'?

.....
.....
.....

13. Mention any three criterion of the classification of kingdom fungi.

- a)
- b)
- c)

14. Mention the major classes of kingdom fungi.

- a)
- b)
- c)
- d)
- e)